

ABSTRACT

A connection device capable of mixing an RGB graphics signal and a YUV video signal. The connection device includes a graphics conversion module for transforming an RGB graphics signal into a YUV graphics signal, and a mixing module connected to the graphics conversion module for receiving a YUV video signal and the YUV graphics signal from the graphics conversion module. The mixing module outputs a YUV signal after mixing the YUV video signal and the YUV graphics signal.